

Amendments to the Claims

1. (Cancelled)

2. (Previously Presented) The apparatus as recited in claim 3, wherein the programming determines if the received radio frequency signals include pulses having a duration within an established minimum and maximum.

3. (Currently amended) An apparatus for detecting the presence of a wireless Local Area Network (LAN), wherein an entire band of the wireless LAN includes multiple channels, the apparatus comprising:

a radio frequency receiver for substantially simultaneously receiving radio frequency signals of substantially the entire band of the wireless LAN; and

a controller associated with the radio frequency receiver having programming for measuring and analyzing the energy of the received radio frequency signals of the entire band of the wireless LAN for the purpose of determining if the radio frequency signals include pulses having a duration and periodicity appropriate for a beacon issuing from a wireless LAN access point or are being produced by a noise generating electronic device.

4. (Cancelled)

5. (Previously Presented) The apparatus as recited in claim 3, wherein the periodicity is approximately 100 ms.

6. (Previously Presented) The apparatus as recited in claim 3, further comprising a display associated with the controller for displaying an indication of the presence of a beacon issuing from a wireless LAN access point.

7. (Original) The apparatus as recited in claim 6, wherein the display comprises a plurality of LEDs.

8. (Previously Presented) The apparatus as recited in claim 3, wherein the radio frequency receiver and the controller are contained within a handheld unit.

9. (Currently amended) A method for detecting the presence of a wireless Local Area Network (LAN), wherein an entire band of the wireless LAN includes multiple channels, the method comprising:

receiving, substantially simultaneously, radio frequency signals of substantially the entire band of the wireless LAN;

determining if the received radio frequency signals of the entire band of the wireless LAN include pulses having a duration and periodicity appropriate for a beacon issuing from a wireless LAN access point; and

if the determination is positive, indicating the presence of a wireless LAN.

10. (Original) The method as recited in claim 9, comprising the step of illuminating one or more LEDs to indicate the presence of a wireless LAN.

11. (Currently amended) In a handheld device, a readable media having instructions for detecting the presence of a wireless Local Area Network (LAN), wherein an entire band of the wireless LAN includes multiple channels, the instructions executable by a controller to cause performance of performing steps comprising:

receiving, substantially simultaneously, radio frequency signals of substantially the entire band of the wireless LAN;

determining if the received radio frequency signals of the entire band of the wireless LAN include pulses having a duration and periodicity appropriate for a beacon issuing from a wireless LAN access point; and

if the determination is positive, indicating the presence of a wireless LAN.

12. (Currently amended) The readable media as recited in claim 11, wherein the indicating step includes the instructions perform the step of illuminating one or more LEDs to indicate the presence of a wireless LAN.

13. (New) The apparatus of claim 3,

wherein the entire band of the wireless LAN comprises an 802.11 wireless network band.

14. (New) The apparatus of claim 3,

wherein the controller comprises a microprocessor.

15. (New) The method of claim 9,

wherein the entire band of the wireless LAN comprises an 802.11 wireless network band.

16. (New) The method of claim 15,

wherein the 802.11 wireless network is a wireless network selected from the group consisting of (i) an 802.11a wireless network, and (ii) an 802.11b wireless network.

17. (New) The readable media of claim 11,

wherein the entire band of the wireless LAN comprises an 802.11 wireless network band.